

Exhibiting STEAM:

Engaging Art Librarianship in the STEM
Narrative

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Today, we will...

Why STEAM?

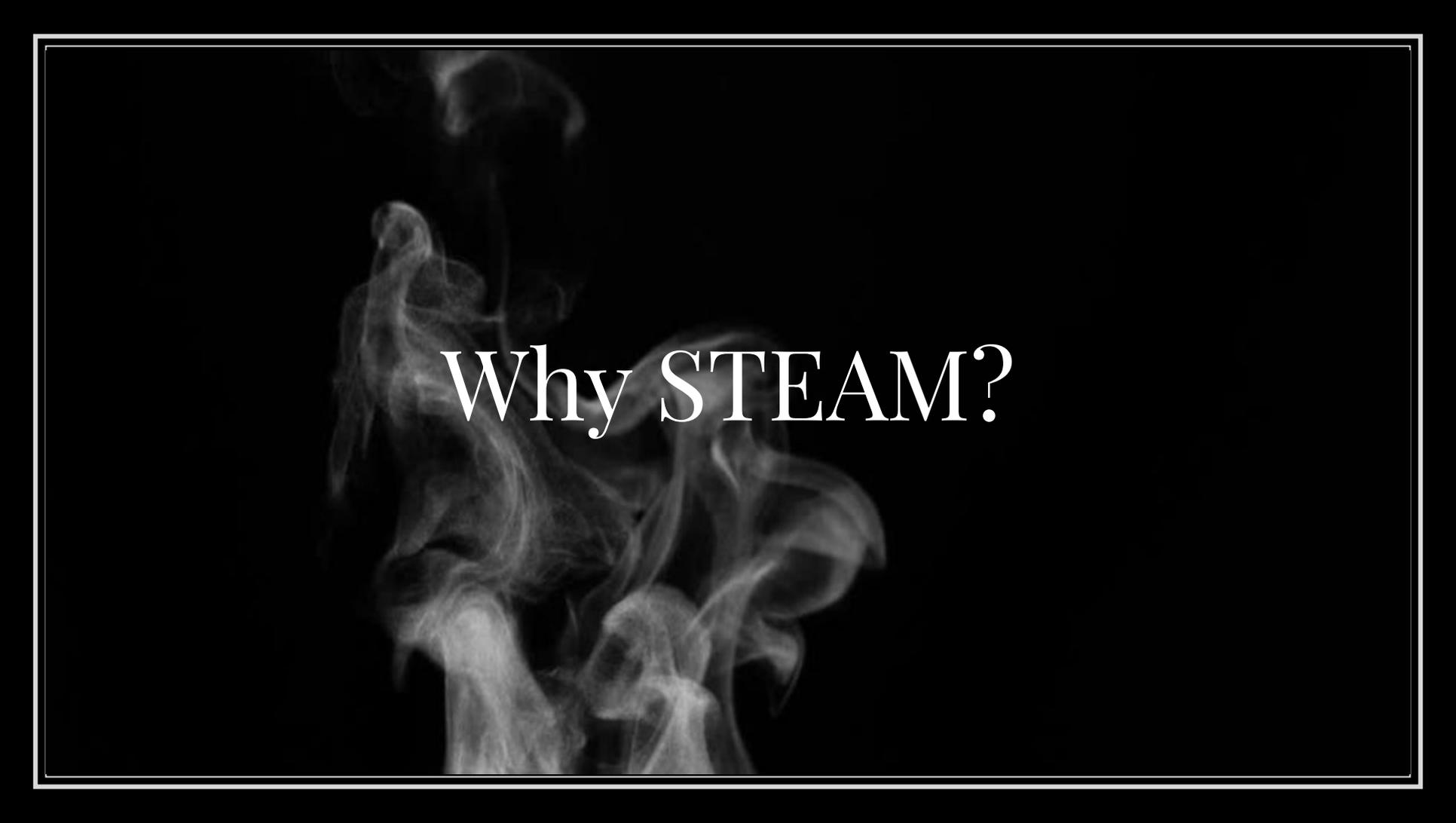
A brief overview of why you should care.

From Micro to Macro: Microscopy at Miami

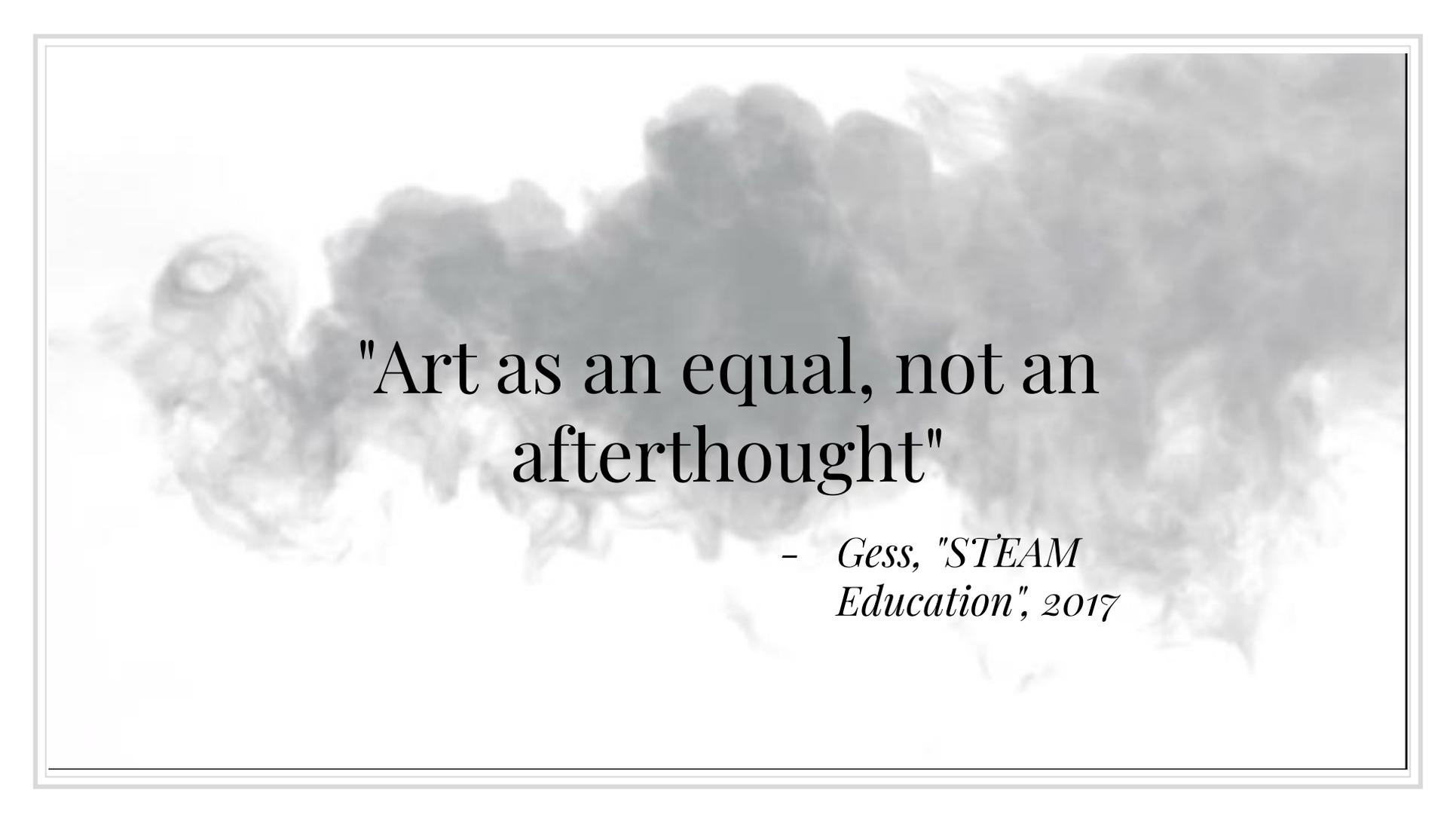
An exhibition of photographs by the university's Center for Advanced Microscopy & Imaging.

A Symbiotic Affair: The Intricate Relationship of Art and Science

An exhibition of artist books that take science as their subject and held at two campus locations.



Why STEAM?



"Art as an equal, not an
afterthought"

- *Gess, "STEAM
Education", 2017*



From Micro to Macro:

Microscopy at Miami

Center for Advanced Microscopy & Imaging (CAMI)



Image courtesy: Scott Kissell, Miami University

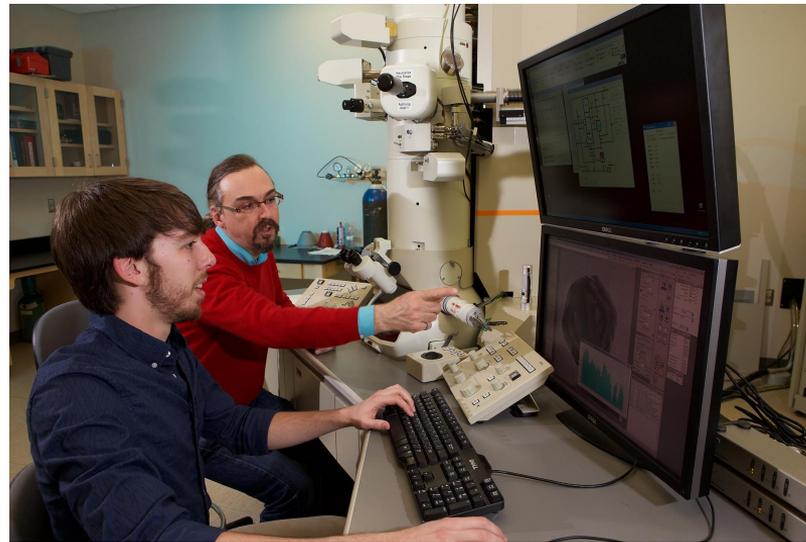
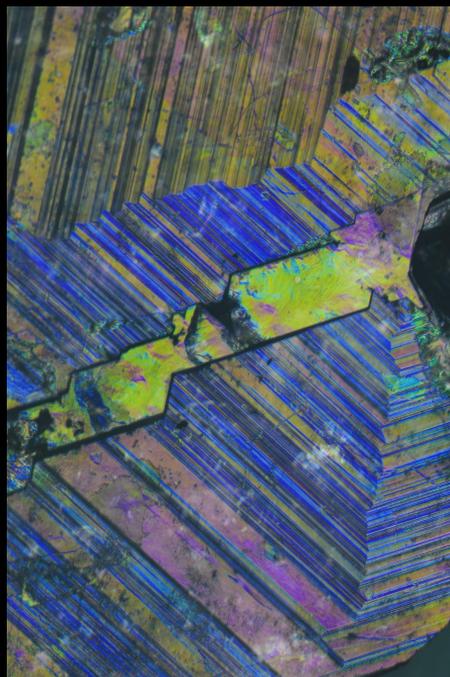
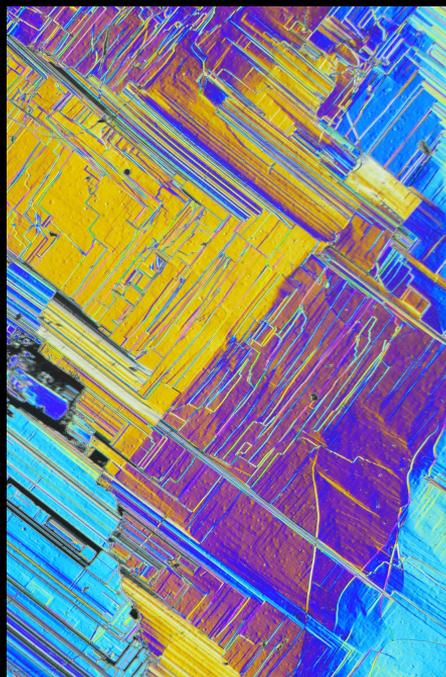


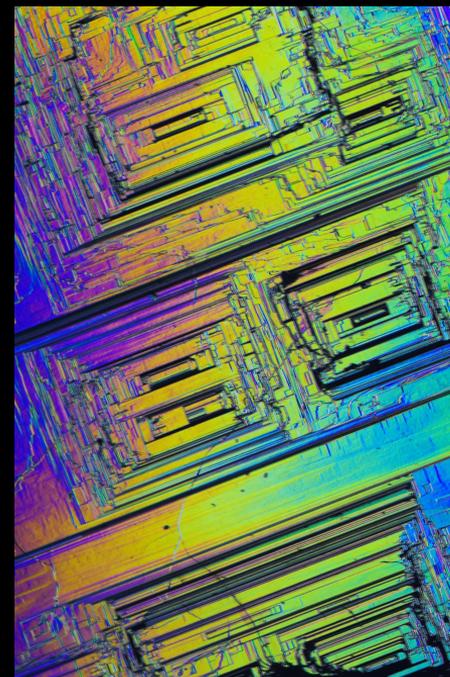
Image courtesy: Scott Kissell, Miami University



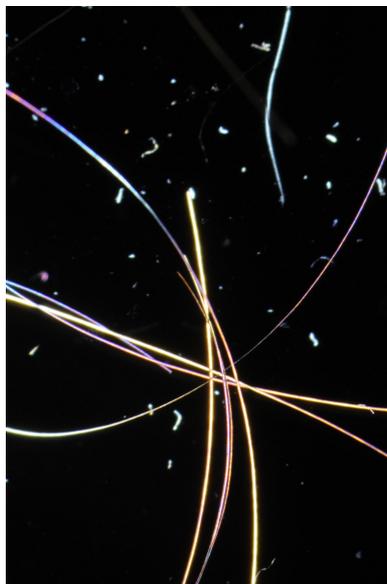
Richard Edelman
Catapleite [001] Crystal, 2010
Reflected Light Differential
Interference Contrast Micrograph
Digital photograph



Richard Edelman
Pyrite Crystal, 2010
Reflected Light Differential
Interference Contrast Micrograph
Digital photograph



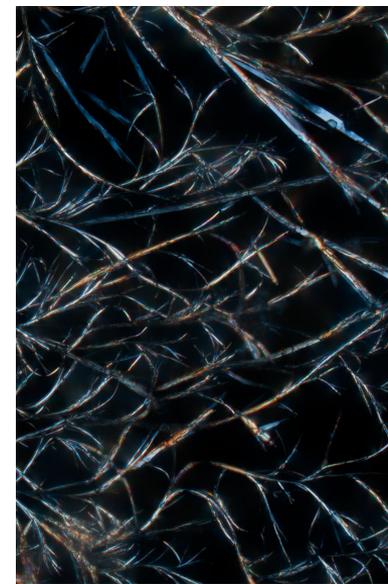
Richard Edelman
Pyrite Crystal, 2010
Reflected Light Differential
Interference Contrast Micrograph
Digital photograph



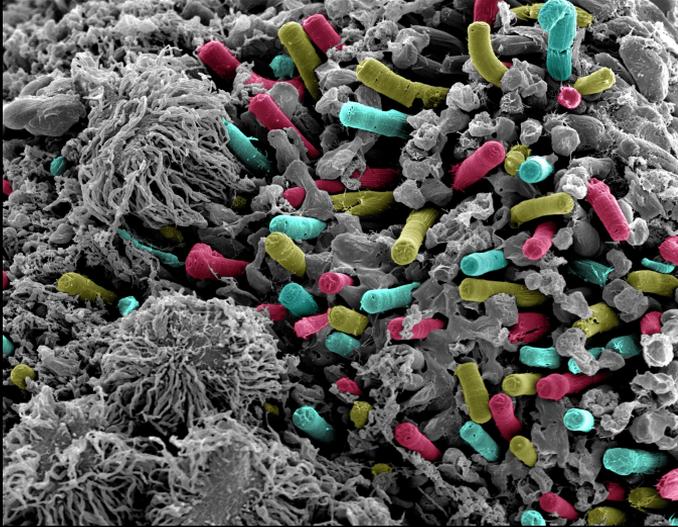
Zöe Edelmann
Human Hair, 2016
Polarized Light Micrograph
Digital photograph



Richard Edelmann
Polyvinyl Alcohol Tree on the Lunar Desert, 2009
Scanning Electron Micrograph
Digital photograph



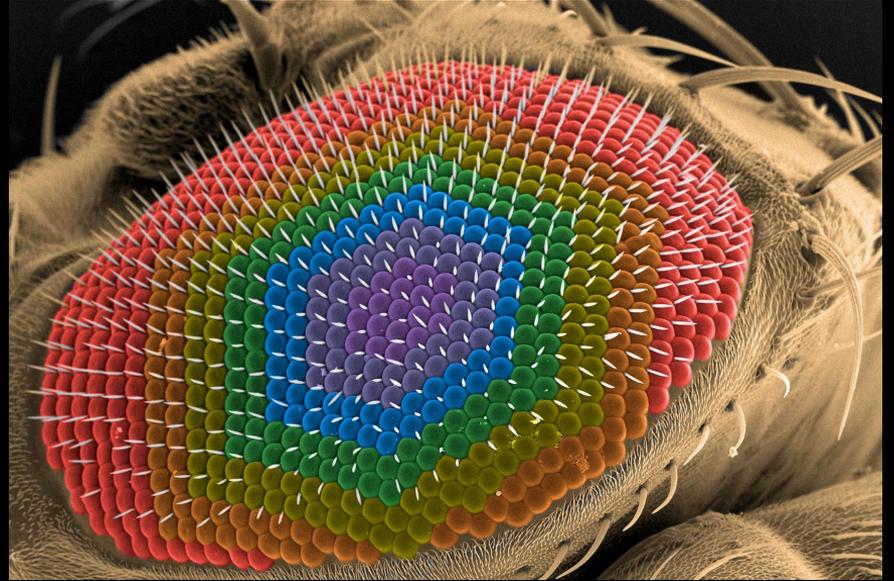
Matt Duley
Acetaminophen, 2018
Polarized Light Micrograph
Digital photograph



Phuong Lam

Newt's Eye RPE on Top of Photoreceptor Outer Segment, 2017

Colorized Scanning Electron Micrograph
Digital photograph



Aswati Subramanian

Fruit Fly Eye, 2017

Colorized Scanning Electron Micrograph
Digital photograph

"By combining photography with technology, microscopy not only allows us to study the infinitesimally small, it unveils the artistry inherent in the natural world, revealing the symbiotic relationship of art and science."

- *Excerpt from introductory didactic*





A Symbiotic Affair:

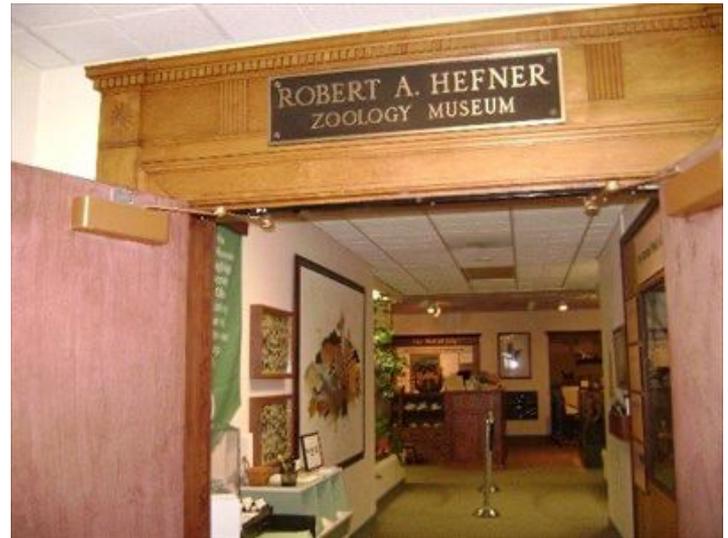
The Relationship Between Art and Science

Walter Havighurst Special Collections and University Archives



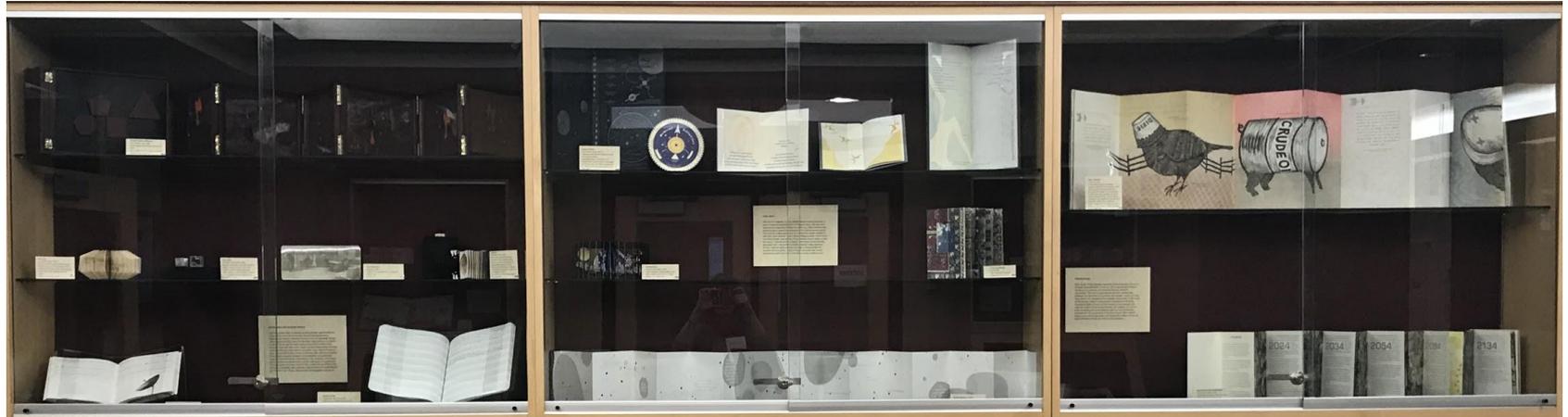
Image courtesy: Nick Kneer

The Hefner Museum of Natural History



https://www.waymarking.com/waymarks/wm2TKA_Hefner_Zoology_Museum

Walter Havighurst Special Collections and University Archives

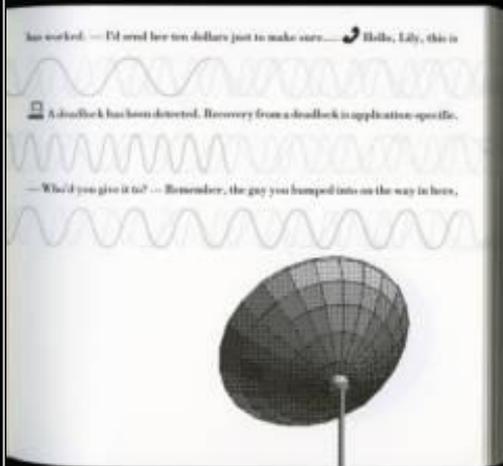


Math and Computer Science

Outer Space

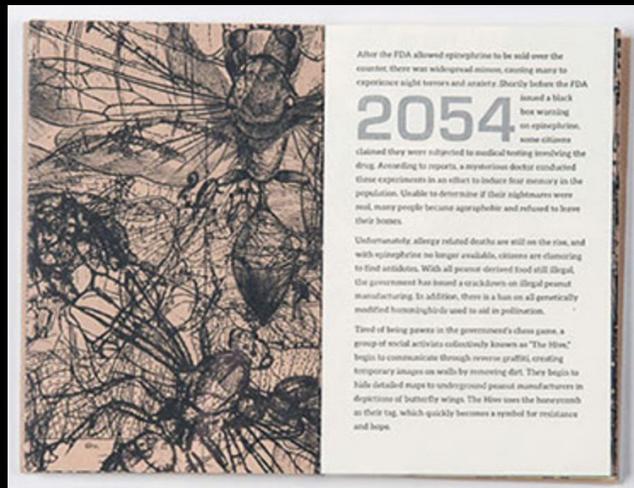
Climate Change

Walter Havighurst Special Collections and University Archives



Janet Zweig

This Book is Extremely Receptive, 1989
Offset lithograph on paper.



Sarah McDermott and students

An Exquisite Future, 2014
Letterpress, screenprint, linoleum relief, Sintra plate carving, bound in an accordion with a removable spine and sewn inserts.



Melissa Wagner-Lawler

In the Event of a Moon Disaster, 2013
Screenprinted, letterpress printed, and laser cut.

Diane Stemper



Diane Stemper

Cell: Compendium #42, 2014
Watercolor on found and altered pages from *On the Origin of Species* by Charles Darwin, housed in a petri dish.

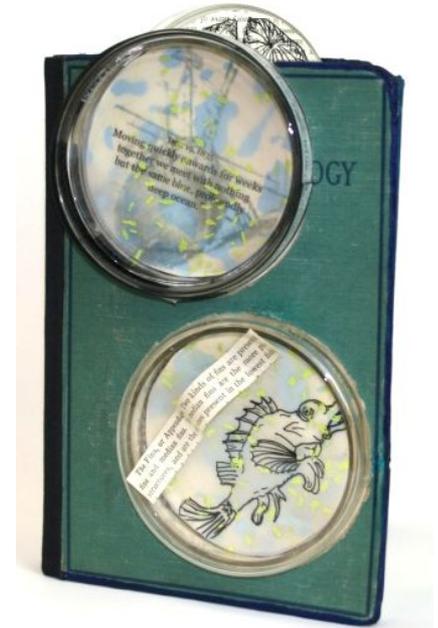
<https://spec.lib.miamioh.edu/creativecodex/items/show/9>



Diane Stemper

Darwin's Darlings -- Tortoise, Finch(es), Beetle(s), 2010
Pen & Ink, colored pencil, found and altered text, digital inkjet print on Rives BFK and Arches Cover, housed in petri dishes.

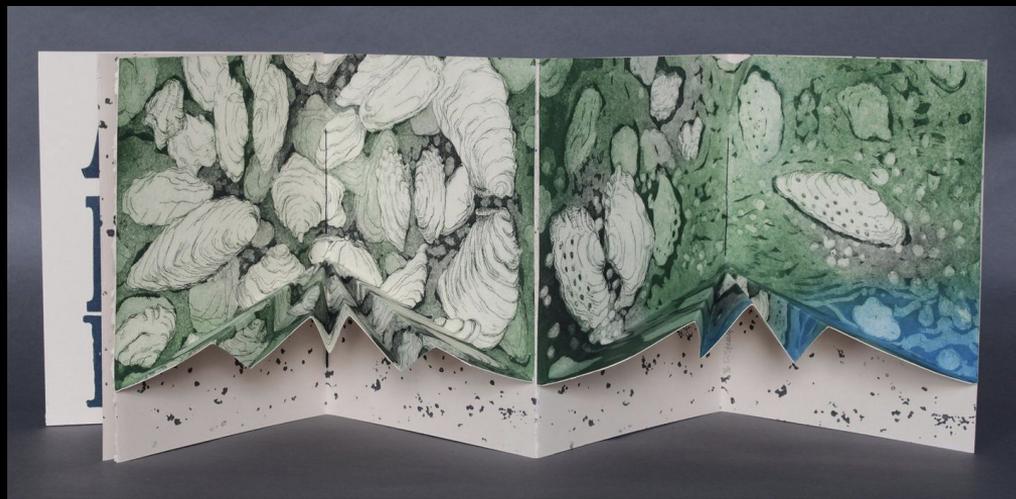
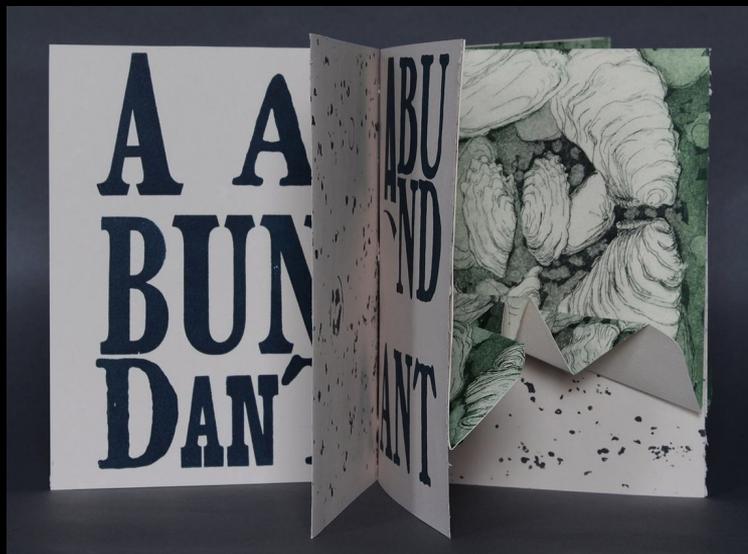
<https://spec.lib.miamioh.edu/creativecodex/items/show/14>



Diane Stemper

Darwin at Sea, 2011
Altered book and mixed media: relief prints, pen & ink, found text, acrylic paint, petri dishes.

<https://spec.lib.miamioh.edu/creativecodex/items/show/13>

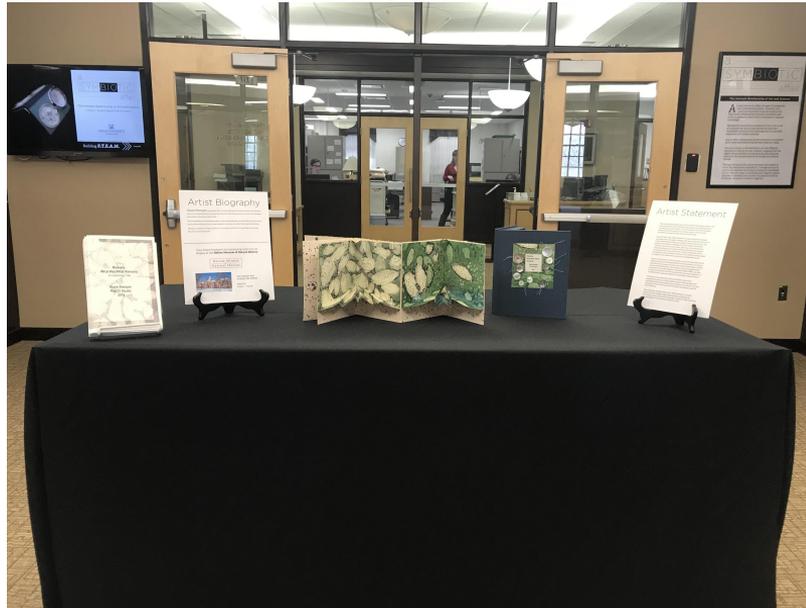


Diane Stemper

Mussels: What Was/What Remains, 2019

Letterpress, relief, and intaglio printing on Arches Cover and Stonehenge

Walter Havighurst Special Collections and University Archives



The Hefner Museum of Natural History





Diane Stemper
River Bed, 2019
Intaglio and relief printing on Arches Cover



Diane Stemper
Mini Mussels Book, 2019
Intaglio and relief printing on
Arches Cover

Talawanda Middle School Art Club



Image courtesy: Joe Prescher



Image courtesy: Joe Prescher

The Art Club
The Nature Drawings

Spring 2019

Talawanda Middle School
Oxford Community Arts Center

Lauren Dysert

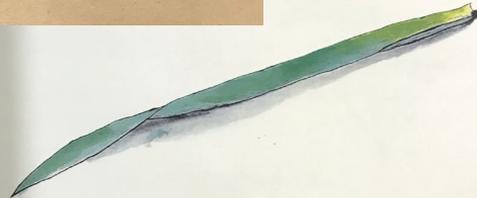


Lauren Dysert

Jenna Heston



Isabella Tobias





Thank You!

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